

ANALYSIS

This ordinance amends Title 32 - Fire Code of the Los Angeles County Code by clarifying certain provisions which were previously incorporated into Title 32.

This ordinance further amends Title 32 by adding back certain provisions inadvertently omitted and by deleting certain provisions inadvertently included in the 2002 amendments to Title 32.

This ordinance further amends Title 32 by making minor editorial corrections.

LLOYD W. PELLMAN
County Counsel

By
ERIC R. YOUNG
Principal Deputy County Counsel
Public Works Division

ERY:ia

10/28/03 (requested)

10/28/03 (revised)

ORDINANCE NO. _____

An ordinance amending Title 32 - Fire Code of the Los Angeles County Code.

The Board of Supervisors of the County of Los Angeles ordains as follows:

SECTION 1. The following sections of Title 32 are repealed in their entirety:

1007.2.2.2

7904.5.2.2

7904.5.4.2.1

SECTION 2. Section 101.8 is hereby amended to read as follows:

101.8 References to Appendix. When this code references the appendix, the provisions in the appendix to the 2001 Edition of the California Fire Code shall not apply unless specifically adopted. Only Appendix I-C, Appendix II-C, Appendix II-D, Appendix IV-A, and Appendix VI-A, have been adopted into this code.

SECTION 3. Section 103.3.5.1 is hereby amended to read as follows:

103.3.5.1 Information on plans and specifications. Plans and specifications shall be drawn to scale on substantial paper or cloth and shall be of

sufficient clarity to indicate the nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and all relevant laws, ordinances, rules and regulations. The first sheet of each set of plans shall give the ~~house and~~ street address of the work and the name and address of the owner and persons who prepared them. Plans shall include a plot plan showing the location of the proposed building and of every existing building on the property.

SECTION 4. Section 103.4.9 is hereby renumbered and amended to read as follows:

103.4.9 **Administrative Penalty.**

103.4.9.1 **Administrative penalty: - imposition.** An administrative penalty may be imposed on all parcels found to be in violation of Sections 1117.2.2, 1117.2.3, 1117.10, or 902.2.2.1 of this code relating to clearance of brush and combustible growth, roadway clearance, and vertical clearance on fire access roads.

SECTION 5. Section 103.4.9.1 is hereby renumbered and amended to read as follows:

103.4.9.12 **Administrative penalty: - enforcement.** An administrative penalty will be imposed and enforced upon failure of the responsible party to comply

with written abatement instructions and timeframes contained on the Official Inspection Report Form (County of Los Angeles Fire Department FORM 410B) issued by the ~~County of Los Angeles Fire Department~~.

SECTION 6. Section 103.4.9.2 is hereby renumbered and amended to read as follows:

103.4.9.23 **Declared parcel.** A declared parcel is a parcel which contains noxious weeds and other flammable vegetation that are a fire hazard and which constitutes a public nuisance which must be abated as declared in an annual resolution of the Board of Supervisors. An owner of a declared parcel will be mailed a declaration card specifying the abatement actions required of the owner. The declaration card constitutes the first official notice to the owner. A physical inspection of the declared parcel is conducted by the ~~County of Los Angeles Fire Department~~ to determine compliance with the declaration card. After the physical inspection, if the ~~County of Los Angeles Fire Department~~ determines that the owner has not complied with the declaration card, then such noncompliance constitutes the first violation of the fire code. The owner will be given notice of such first violation of the fire code. This notice constitutes the second official notice to the owner. The second official notice shall also inform the owner that an administrative penalty may be imposed on the declared parcel if not properly cleared. An owner's failure to comply with the second official notice constitutes the second violation of the fire code.

SECTION 7. Section 103.4.9.3 is hereby renumbered and amended to read as follows:

103.4.9.34 ~~Enforcement on u~~**Undeclared parcels.** An undeclared parcel is a parcel not contained in the annual resolution of the Board of Supervisors described in Section 103.4.9.23. ~~After a physical inspection, if the County of Los Angeles Fire Department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of such violation of the fire code. This notice of violation constitutes the first official notice. An owner's failure to comply with the first official notice constitutes the first violation of the fire code. After a first violation, a physical inspection of an undeclared parcel will be conducted by the County of Los Angeles Fire Department to determine compliance with the fire code. After the physical inspection, if the County of Los Angeles Fire Department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of the second violation of the fire code. This notice constitutes the second official notice to the owner. This second official notice shall also inform the owner that an administrative penalty may be imposed on an undeclared parcel if not cleared. An owner's failure to comply with the second notice constitutes the second violation of the fire code.~~

SECTION 8. Section 103.4.9.4 is hereby renumbered and amended to read as follows:

103.4.9.46 **Administrative penalty: - amount.** The administrative penalty for a first violation as described in Section 103.4.9.23 or 103.4.9.35 is zero. The administrative penalty for a second violation as described in Section 103.4.9.23 or 103.4.9.35 is \$200.00.

SECTION 9. Section 103.4.9.5 is hereby amended to read as follows:

103.4.9.5 **Administrative penalty: - collection.** ~~The administrative penalty will be collected by the County of Los Angeles Fire Department through direct invoice. The County of Los Angeles Fire Department shall notify the owner of the imposition and amount of the administrative penalty.~~ **Inspection – notice of violations.** After a physical inspection, if the fire department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of such violation of the fire code. This notice of violation constitutes the first official notice. An owner's failure to comply with the first official notice constitutes the first violation of the fire code. After a first violation, a physical inspection of an undeclared parcel will be conducted by the fire department to determine compliance with the fire code. After the physical inspection, if the fire department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of the second violation of

the fire code. This notice constitutes the second official notice to the owner. This second official notice shall also inform the owner that an administrative penalty may be imposed on an undeclared parcel if not cleared. An owner's failure to comply with the second notice constitutes the second violation of the fire code.

SECTION 10. Section 103.4.9.7 is hereby added to read as follows:

103.4.9. 7 Administrative penalty - collection. The administrative penalty will be collected by the fire department through direct invoice. The fire department shall notify the owner of the imposition and amount of the administrative penalty.

SECTION 11. Section 103.4.9.6 is hereby renumbered and amended to read as follows:

103.4.9.6 8 Administrative penalty: - administrative review and appeal. The imposition of the administrative penalty may be appealed in writing utilizing the claim resolution form provided with the invoice. The claim resolution form must be filed with the Brush Clearance OfficeUnit of the ~~County of Los Angeles Fire~~ Department within 30 days of the date of invoice.

Brush Clearance OfficeUnit personnel will attempt to resolve the claim, and

provide a written response to the claimant within ~~40~~30 working days of receipt of the claim. If unable to resolve the claim, Brush Clearance ~~Office~~Unit personnel will forward the claim to the Brush Clearance Section Manager. The Brush Clearance Section Manager will review the claim and provide a final administrative order or decision in writing within ~~40~~30 working days of the receipt of the claim. The Brush Clearance Section Manager will make the final decision of the ~~County of Los Angeles Fire~~Department on the claim.

Any person contesting the final administrative order or decision of the ~~County of Los Angeles Fire~~Department may seek further review pursuant to Section 53069.4 of the California Government Code.

Any administrative penalty imposed shall be cancelled or refunded as provided in Sections 14920 and 14921 of the State Health and Safety Code, or any successor statute of similar import.

SECTION 12. Section 105.8 is amended by adding subsection a.6. to read as follows:

a.6. Activities in hazardous fire areas. Any of the activities as described in Section 1118.2.

SECTION 13. Section 105.8 is amended by adding subsection b.2. to read as follows:

b.2. Bonfires or rubbish fires. To kindle or maintain or authorize the kindling or maintenance of bonfires or rubbish fires. See Article 11.

SECTION 14. Section 105.8 is amended by adding subsection h.4. to read as follows:

h.4. Hot-air balloon. To operate or launch any hot-air balloon which has its lifting power provided by an open flame device.

SECTION 15. Section 105.8 is amended by adding subsection r.4. to read as follows:

r.4. Rifle range. To establish, maintain, or operate a rifle range.

SECTION 16. Section 222 - U is hereby amended to read as follows:

. . .

UNAUTHORIZED DISCHARGE ~~is a release or emission of materials in a manner which does not conform to the provisions of this code or applicable public health and safety regulations~~ shall mean any spilling, leaking, releasing, leaching, emptying, dumping, or disposing of a hazardous material/waste into the environment, unless permitted by a regulatory agency.

UNIFIED PROGRAM shall mean the Unified Hazardous Waste and Hazardous Materials Management Regulatory program.

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SECTION 17. Section 1004.6 is hereby added to read as follows:

1004.6 Specific requirements. In addition to the requirements of U.B.C. Standard No. 9-2, specific requirements are as follows:

1004.6.1 Class I standpipes.

1004.6.1.1 Construction. Materials and devices shall be of sufficient strength to withstand not less than 200 pounds per square inch of water pressure when ready for service. All Class I standpipes shall be tested hydrostatically to withstand not

less than 200 pounds per square inch of pressure for two hours, but in no case shall the pressure be less than 50 pounds per square inch above the maximum working pressure.

1004.6.1.2 Fire department connection. Standpipes shall be equipped with a listed four-way fire department connection. Systems with three or more standpipes shall be provided with a sufficient number of inlets as required by the chief. All fire department connections shall be located on the building address street front, not less than 24 inches nor more than 42 inches above grade and shall be equipped with an approved straight-way check valve and substantial plugs or caps. All fire department connections shall be visible, accessible, and clearly marked with approved signage. More than one fire department connection may be required.

1004.6.1.3 Outlets. Each standpipe shall be equipped with an approved 2 1/2 inch outlet not less than 2 feet nor more than 4 feet above the floor level of each story. Standpipe outlets in stairway enclosures or smokeproof enclosures shall be so located that the exit doors do not interfere with the use of the outlet, and located on the main stair landing. All outlets shall be equipped with an approved valve, cap, and chains.

No point within a building requiring standpipes shall be more than 130 feet travel distance from a standpipe outlet connection.

1004.6.2 Class II standpipes.

1004.6.2.1 Outlets. All Class II standpipe systems shall comply with the requirements of subsection 1004.6.1. In addition to the requirements in subsection 1004.6.1, all Class II interior wet standpipes shall be equipped with a 1½ inch valve, no more than 100 feet of lined hose, and an approved fog nozzle in each story, including the basement or cellar of the building, and located not less than 3 feet nor more than 5 feet above the floor. Where combination standpipes are installed, the 1½ inch outlet system may be supplied from the combination system with a 2 inch connecting line.

1004.6.3 Class III standpipes.

1004.6.3.1 Class III standpipes. All Class III standpipe systems shall comply with the requirements of subsection 1004.6.1. In addition to the requirements in subsection 1004.6.1, Class III standpipe systems shall be installed in accordance with the requirements of subsection 1004.6.3.

1004.6.3.2 Size. Class III standpipe systems shall be not less than 6 inches in diameter.

1004.6.3.3 Riser shutoff valve and drain. Each individual riser must be equipped with an indicating valve at its base and an approved valve for draining.

SECTION 18. Section 1004.6.4.3 is hereby added to read as follows:

1004.6.4.3 Location. The location of basement pipe inlets shall be as required by the fire department.

SECTION 19. Section 1004.6.4.4 is hereby added to read as follows:

1004.6.4.4 Detailed Requirements. All basement pipe inlets shall be of cast iron, steel, brass or bronze with lids of cast iron or bronze.

The basement pipe inlet shall consist of a sleeve of not less than 8-inch inside diameter extending through the floor and terminating flush with or through the basement ceiling and shall have a top flange recessed with an inside shoulder to receive the lid. The top flange shall be installed flush with finish floor surface. The lid shall be a solid casting and have a lift recessed in the top. This lid shall be provided with a cast-in sign reading FIRE DEPARTMENT ONLY - DO NOT COVER. The lid shall be installed in such a manner as to permit its easy removal from the flange shoulder.

SECTION 20. Section 1117.1.2 is hereby amended to read as follows:

1117.1.2 Line clearance—~~high tension~~. Any person owning, controlling, operating or maintaining any

electrical transmission or distribution line upon any mountainous, or forest, or brush-covered lands, or lands covered with flammable growth shall maintain a clearance of the respective distances hereinafter in this section specified in all directions between all vegetation and all conductors carrying electrical current.

For lines operating at 2,400 volts or more, but less than 72,000 volts, four (4) feet;

For lines operating at 72,000 volts or more, but less than 110,000 volts, six (6) feet; and

For lines operating at 110,000 volts or more, ten (10) feet.

In any case, such distance shall be sufficiently great to furnish the required clearance from the particular wire or conductor at any position, of such wire or conductor at any temperature of 120 degrees Fahrenheit or less. Dead trees, old, decadent or rotten trees, those weakened by decay or disease and trees leaning toward the line, which may contact the line from the side or may fall on the line, shall be felled, cut or trimmed so as to remove the hazard.

SECTION 21. Section 1117.2.1.1 is hereby amended to read as follows:

1117.2.1.1 ~~Fuel modification plans, landscape plans and irrigation plans submitted pursuant to Section 1117.2.1 may be prepared by a landscape designer, a landscape contractor, or an individual with expertise acceptable to the forestry division of the fire department.~~

Appeals. The Chief, Forestry Division will adjudicate all policy interpretations relevant to Fuel Modification Plan requirements and serve as the final authority in the appeals process.

SECTION 22. Section 1117.3.4 is hereby amended to read as follows:

1117.3.4 Notice of failure to correct. In the event any of the conditions prohibited by either Section 1117.2.2 or 1117.2.3 exist, the Governing Body may instruct the chief or commissioner to give notice to the owner of the property upon which such condition exists, to correct such prohibited condition, and if the owner fails to correct such condition the Governing Body may cause the same to be done and make the expenses of such correction a lien upon the property upon which such condition exists. If it so instructs the chief or commissioner, the Governing Body shall designate the time and place of a hearing either before itself or before a referee appointed by it, and shall notify the chief of its action.

SECTION 23. Section 1117.7.2 is hereby amended to read as follows:

1117.7.2 Hearing on report. At the time fixed for receiving and considering the report, the Governing Body or the referee shall hear it and any ~~objectives~~objections of any of the property owners liable to be assessed for the work of clearing vegetation.

SECTION 24. Section 1118.19 is hereby amended to read as follows:

1118.19 Hazardous warning lights. It shall be unlawful to maintain any torch or lantern utilizing an open flame along any excavation, road, or any place where the dislodgment of such torch or lantern might permit same to roll, fall, or slide ~~on to~~onto any ~~rest~~forest or brush-covered land, or any land containing flammable material.

SECTION 25. Table 7902.5-C is hereby amended to read as follows:

Table 7902.5-C

MAXIMUM STORAGE HEIGHT IN CONTROL AREA

~~(SPRINKLED AREA FEET)~~

SPRINKLERED AREA (feet) ¹

SPRINKLERED WITH IN-RACK PROTECTION (feet) ¹

¹ Automatic sprinkler system shall be provided in accordance with Tables 7902.5-F through 7902.5-K.

SECTION 26. Section 7904.5.4.7 is hereby amended to read as follows:

7904.5.4.7 Time limit or unloading and permit. Tank vehicles and railroad tank cars shall be unloaded as soon as possible after arrival at point of delivery and shall not be used as storage tanks. Tank cars shall be unloaded only on private sidings or railroad siding facilities equipped for transferring the liquid between tank cars and permanent storage tanks. A permit shall be required for a tank car to remain on a siding at the point of delivery while connected for transfer operations. Transfer operations shall be in accordance with DOT requirements and ~~the~~ this code.

SECTION 27. Section 8001.3.2. is hereby added to read as follows:

8001.3.2 Hazardous materials business plan. When required by the authority having jurisdiction, each application for a permit shall include a hazardous materials business plan (HMBP). The location of the HMBP shall be posted adjacent to permits when an HMBP is provided. The HMBP shall include a facility site plan designating the following:

1. Storage and use areas,
2. Maximum amount of each material stored or used in each area,
3. Range of container sizes,
4. Locations of emergency isolation and mitigation valves and devices,
5. Product conveying piping containing liquids or gases, other than utility-owned fuel gas lines and low-pressure fuel gas lines,
6. On and off positions of valves for valves which are of the self-indicating type, and
7. Storage plan showing the intended storage arrangement, including the location and dimensions of aisles.

The plans shall be legible and approximately to scale. Separate distribution systems are allowed to be shown on separate pages.

SECTION 28. Section 8001.3.2.1 is hereby added to read as follows:

8001.3.2.1 Application. Each application for a permit required by this

article shall include a hazardous materials business plan (HMBP) in accordance with Chapter 12.64 of Title 12 of this code.

SECTION 29. Section 8001.3.2.2 is hereby added to read as follows:

8001.3.2.2 Reporting. Every business shall comply with the reporting requirements as set forth in Chapter 12.64 of Title 12 of this code.

SECTION 30. Section 8001.3.4 is hereby amended to read as follows:

8001.3.4 California Accidental Release Prevention Program. Every business shall comply with the requirements as set forth in ~~Part 2 of Chapter 2.2012.64~~ of Title 12 of the County this code.

SECTION 31. Section 8001.5.2.5 is hereby amended to read as follows:

8001.5.2.5 Responsibility for cleanup. The person, firm or corporation responsible for an unauthorized discharge shall institute and complete all actions necessary to remedy the effects of such unauthorized discharge, whether sudden or gradual, at no cost to the jurisdiction. When deemed necessary by the chief, cleanup may be initiated by the fire department or by an authorized individual or firm. Cost associated with such cleanup shall be borne by the owner, operator or other person

responsible for the unauthorized discharge. Upon termination of cleanup activities the HHMD, Emergency Operation Section of the fire department must be contacted to assess cleanup measures and clear site for reoccupancy or reuse.

SECTION 32. Section 8102.7.2 is hereby amended to read as follows:

8102.7.2 Types of vents. Smoke and heat vents shall be approved and shall be labeled to indicate compliance with nationally recognized standards. See Article 90, Standards f.1.2, i.2.1 and u.1.12. Smoke and heat vents shall be operated automatically by activation of any one of the following:

1. An approved fixed-temperature heat-responsive device rated between 100 and 200° F (56 and 111° C) above estimated ambient temperatures. If a fire sprinkler system is provided, the fixed-temperature heat-responsive device shall also be a minimum of one temperature rating higher than the sprinkler heads. With ESFR sprinkler systems, the fixed-temperature heat-responsive device shall also be a minimum two temperature ratings higher than the sprinkler heads up to 360° F,
2. An approved rate-of-rise device, or
3. Approved heat-sensitive glazing designed to shrink and drop out of the vent opening.

The heat-responsive device shall be listed and labeled. Smoke and heat vents shall have the capability of being opened by an approved exterior manual operation.

SECTION 33. Section 8104.2.3.1 is hereby amended to read as follows:

8104.2.3.1 General. Racks with solid shelving having an area greater than 32 square feet (2.97 m²), measured between approved flue spaces at all four edges of the shelf, shall be in accordance with Section 8104.2.3.

EXCEPTIONS: 1. Racks with mesh, grated, slatted or similar shelves having uniform openings not more than 6 inches (152.4 mm) apart, comprising at least 50 percent of overall shelf area, and with approved flue spaces, are allowed to be treated as racks without solid shelves.

2. Racks used for the storage of combustible paper records, with solid shelving, shall be in accordance with UFC Standard 81-4.

3. In buildings with ESFR fire sprinkler protection, the storage racks shall not utilize solid, slatted, and other types of shelving that obstructs sprinkler water penetration down through the racks, unless allowed per NFPA 13 7-4.1.7.1.

SECTION 34. Table 81-A is amended to read as follows:

Size of High-Piled Storage Area (square feet)	Maximum Pile Dimension (feet)	Maximum Pile Volume (cubic feet)
501-2,500	50x100 <u>100</u>	100,000
2,501-12,000	50x100 <u>100</u>	200,000 <u>400,000</u>
Public access		
2,501-12,000	50x100 <u>100</u>	200,000 <u>400,000</u>
Non Public access (Option 1)		
2,501-12,000	50x100 <u>100</u>	150,000 <u>200,000</u>
Non Public access (Option 2)		
12,001-20,000	50x100 <u>100</u>	200,000 <u>400,000</u>
20,001-500,000	50x100 <u>100</u>	200,000 <u>400,000</u>
Greater than 500,000 ⁸	50x100 <u>100</u>	200,000 <u>400,000</u>
...		

SECTION 35. Section 8901 is hereby amended as follows:

8901 Scope. In accordance with Section 103.4.7 the violation of the following sections shall be infractions:

Section	Offense
901.4.4	Building numbering <u>Premise Identification</u>
902.2.4.1	Obstruction of fire protection equipment
902.2.4.1	Obstructing access roadway
902.2.4.2	Trespassing on a closed road
1001.5.1	Failure to maintain alarm system <u>fire protection systems and equipment</u>
1001.5.3	Failure to notify Fire Department
1001.6.2	Hydrant use approval

<u>1001.7</u>	<u>Obstruction of fire protection equipment</u>
1002	Fire extinguishers
1102.3	Open fires
1103	Waste combustibles
1103.3	Combustible waste -- Storage within buildings
1105	Asphalt kettles
1109.4	"No Smoking" sign
1109.5	Discarding burning objects
1109.6	Hot ashes and other dangerous materials
1117.2.2	Clearance of brush -- Structure
1117.2.3	Clearance of brush -- Extra hazard
1118.17	Fire roads and firebreaks

1207.3	Door-locking devices
1207.6	Exit doors readily distinguishable
1210.3	Stairway -- Storage under
1212.4	"Exit" sign illumination – maintenance of
2401.6	"No Smoking" signs within designated areas
2901.6.2	Waste oil storage
3004.3	Lumber yards -- Waste Removal
3008.5	Combustible waste
3213 <u>3214.2</u>	Exit sign illumination
3221.2	Housekeeping -- Vegetation
3221.3	Housekeeping -- Storage

3404	Access to area
3601.6	Fire extinguisher -- Dry cleaning plant
3601.7	No smoking -- Dry cleaning plant
4501.4	Smoking prohibited
4501.5	Welding warning signs
4502.3.3	Discarded filter pads
4502.8.2	Portable fire protection equipment
4502.9	Operations and maintenance
4502.9.6	Combustible debris and metal waste cans
4503.7.1	Portable fire extinguisher
4503.8	Dip tank covers

4504.3.2	Signs -- "Dangerous"
4504.4	Maintenance -- Electrostatic apparatus
4505.6.1	Maintenance -- Powder coating
4506.6	"No Smoking" sign
4606.2	"No Smoking" -- Fruit ripening room
4607	Housekeeping -- Fruit ripening room
5201.7	Safety rules <u>Ignition sources</u>
7401.5.1	Storage containers -- Identification
7401.6	Storage and use of cylinders
7607	General requirements (smoking)
7901.7.2	Maintenance and operating practices

7901.10	Sources of Ignition
7902.5.3	Empty containers
7904.3.2.1	Storage tanks
7904.4.7	"No Smoking" sign
7904.4.9	Fire protection
7904.6.4	No Smoking
8001.8	Hazardous materials signage
8003.1.12	Combustible materials -- Clearance
8004.1.8	Hazardous materials -- Dispensing, use and handling, no smoking signage
8004.3.4	Combustible materials – clearance
8208	"No smoking" signs -- LPG container

8209 Combustible material -- Clearance from LPG
container

8506 Extension cords

Appendix IIC Sec.5 Fire prevention regulations -- marina

Appendix IIC 5.2 Open flame device -- Boat or marina

Appendix IIC 6.3 Access

Appendix IIC 6.4 Portable fire protection equipment

SECTION 36. Section 9003 is hereby amended to read as follows:

SECTION 9003. -- RECOGNIZED STANDARDS

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a.7. ALLIANCE OF AMERICAN INSURERS

3025 Highland Parkway, Suite 800, Downers Grove, IL 60515-1289

a.8. AMERICAN INSURANCE ASSOCIATION

1130 Connecticut Ave NW, Suite 1000, Washington DC 20036

~~a.9. AMERICAN INSURANCE ASSOCIATION RESEARCH REPORTS~~

~~No. 1 Fire Hazards of the Plastic Industry, M65.~~

~~No. 2 Potential Hazards in Molten Salt Baths for Heat Treatment of Metals, M65.~~

~~No. 5 Processes, Hazards and Protection Involved in the Manufacture of Spirituous Liquors, O16.~~

~~No. 7 Precautionary Fire and Explosion Safeguards in the use of Chlorine Dioxide for Industrial Bleaching. M75.~~

~~No. 9 Fire and Explosion Hazards of Thermal Insecticidal Fogging. M40.~~

~~No. 10 Mechanism of Extinguishment of Fire by Finely Divided Water.~~

~~No. 11 Fire and Explosion Hazards of Organic Peroxides.~~

~~No. 12 Nitroparaffins and their Hazards.~~

c.1. COMPRESSED GAS ASSOCIATION, INC.

4221 Walney Road 5th Floor Chantilly, VA 20151-2923

CGA PAMPHLETS

c.1.1 C-7 Guide to the Precautionary Labeling and Marking of Compressed Gas Containers

c.1.2 G-1 Acetylene

c.1.3 G-2 Anhydrous Ammonia

c.1.4 G-3 Sulphur Dioxide

c.1.5 G-4 Oxygen

c.1.6 G-5 Hydrogen

c.1.7 P-1 Safe Handling of Compressed Gases

c.1.8 P-2 Characteristics and Safe Handling of Medical Gases

c.1.9 V-5 Diameter-Index Safety System

c.2. CHEMTREC (AMERICAN CHEMISTRY COUNCIL)

1300 Wilson., Washington, DC 20009

CMA Safety Data Sheets.

d.1 DEPARTMENT OF LABOR, Mine Safety and Health Administration,

1301 Airport Road, Beaver, WV 25813-9426

Information Circular 8179 Safety Recommendations for Sensitized
Ammonium Nitrate Blasting Agents.

d.2. DEPARTMENT OF TRANSPORTATION

400 Seventh Street, S.W., Washington, DC 20590

Title 49, Code of Federal Regulations Parts 171 -180.

D.O.T Hazardous Material Standards Specifications MC 300, MC 302, MC
303, MC 304, MC 305, MC 330, MC 331.

~~f.2. FERTILIZER INSTITUTE~~

~~1015 18th Street, N.W., Washington, DC 20006~~

~~Definition and Test Procedures for Ammonium Nitrate Fertilizer.~~

~~i.2. INDUSTRIAL RISK INSURERS~~

~~85 Woodland Street, Hartford, CT 06102~~

i.3. INDUSTRIAL RISK INSURERS

85 Woodland Street, Hartford, CT 06102

i.4. INSTITUTE OF MAKERS OF EXPLOSIVES

1120 Nineteenth Street, N.W., Suite 310, Washington, DC 20036

i.5. IME PAMPHLETS

No. 1 Construction Guide for Standard Storage Magazines.

No. 20 Radio Frequency Radiation Hazard in Use of Commercial
Detonators (Blasting Caps).

n.2. NATIONAL FIRE PROTECTION ASSOCIATION

1 Batterymarch Park, Quincy, MA 02269-9101

NFPA CODES and STANDARDS

s.2. SUPERINTENDENT OF DOCUMENTS

U.S. Government Printing Office, 732 North Capital Street, NW, Mail Stop
SDE, Washington, DC 20401

Title 10, Code of Federal Regulations, Part 30, Licensing of By-products
Material- Radioisotope Distribution, Part 70, Special Nuclear Materials.

Title 49, Chapter X, Code of Federal Regulations, Part 78 of Interstate
Commerce Regulations.

~~I.C.C. Specifications MC 300, MC 302, MC 303, MC 304, MC 305, MC
330, MC 331.~~

~~u.4. UNITED STATES BUREAU OF MINES~~

~~4800 Forbes Avenue, Pittsburgh, PA 15213~~

~~U.S. Department of Interior Information Circular 8179 Safety~~

~~Recommendations for Sensitized Ammonium Nitrate Blasting Agents.~~

[Title 32 CleanUpEYCOC]